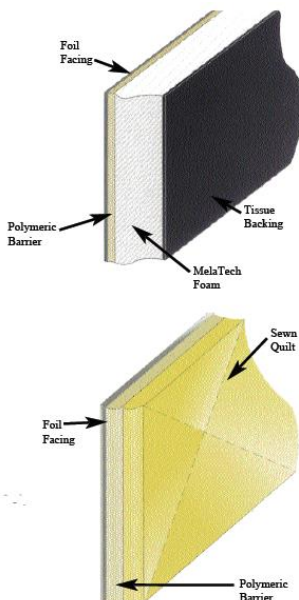


DuctiLag®

DuctiLag® Acoustic Blankets comprise a range of composite products designed to control noise break-out from rectangular or circular ductwork and pipes by isolating noise within the duct or pipe from the outside environment. DuctiLag® H is manufactured from a polymeric barrier with a Class O foil surface adhered to MelaTech® foam with a black tissue facing. The H grade is designed for use in clean rooms and hygienic areas. DuctiLag® P is manufactured from a polymeric barrier with a Class O foil facing adhered to a sewn glass fibre quilt.



Key Features and Benefits

- Excellent fire performance and thermal properties
- Excellent acoustic performance
- Simple installation
- Lead-free

Applications

- Hygienic Areas
- Medical and pharmaceutical centres
- Food processing and bottling plants
- Ducting
- Pipework
- Tanks

Colour and Finish

Silver Class 0 Foil

Operating Temperature

The outer face can withstand direct contact with temperatures up to 90°C.

Availability

MelaTech® is available plain, or with a wide range of facings.

Dimensions and Weight

Product	Nominal Thickness mm	Blanket Size mm	Density of Insulation Layer Kg/m ³	Weight of Barrier Core Kg/m ²
DuctiLag® H	12, 25, 50	2000 x 1200	9.5	5
	12, 25, 50	2000 x 1200	9.5	10
DuctiLag® P	15, 25, 50	2000 x 1200	24	5
	15, 25, 50	2000 x 1200	24	10

Acoustic Performance

Product	Thickness Mm	Barrier Weight Kg/m ²	Typical Reduction in Noise Breakout dB (200mm circular duct)					
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
DuctiLag® H	12	5	1	1	8	16	18	20
	25	5	1	4	12	17	19	21
	50	5	2	6	14	18	20	23
	12	10	2	5	12	18	22	23
	25	10	4	6	16	20	24	25
	50	10	4	10	18	22	26	29
DuctiLag® P	15	5	1	1	8	16	18	20
	25	5	1	4	12	17	19	21
	50	5	2	6	14	18	20	23
	15	10	2	5	12	18	22	23
	25	10	4	6	16	20	24	25
	50	10	4	10	18	22	26	29

Product	Barrier Weight Kg/m ²	Typical Sound Reduction Index dB					
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
DuctiLag® H	5	20	21	27	38	48	50
	10	22	24	32	44	50	50
DuctiLag® P	5	21	22	21	32	45	48
	10	23	28	32	38	45	57

The information contained in this data sheet is believed to be correct at the date of publication. The information is based on our general experience and is given in good faith but because of the many factors outside our knowledge and control which may affect the product no warranty is given or is to be implied with respect to such information. H&H Acoustic Technologies Ltd reserves the right to alter or amend the specification of their products without notice as their policy is one of constant improvement.

Technical Advice

Highly qualified building and acoustic consultants are available to offer assistance and advice to clients, architects and contractors on all aspects of noise control to ensure design specifications and acoustic performance requirements are achieved. They can also undertake noise surveys and provide details of anticipated reverberation times pre and post installation.

Thermal Conductivity

DuctiLag® H - 0.035 W/mK @ 10°C
DuctiLag® P - 0.037 W/mK @ 10°C

Fire Performance

MelaTech® and Mineral fibre materials comply with the Class 'O' requirements of the Building Regulations, when tested to BS476: Part 6: 1981 and Part 7: 1987.

Application and Fixing

Please contact H&H Acoustic Technologies for fitting instructions.